

Will Steger Foundation Summer Institute for Climate Change Education: Climate Change & the Mississippi River

What: a teacher training institute on climate change in Minnesota and its connection with the Mississippi River and watershed, including the Mississippi National River and Recreation Area.

For: teachers of grades 6-8

Where: School of Environmental Studies, 12155 Johnny Cake Ridge Rd, Apple Valley, MN (adjacent to Minnesota Zoo)

When: August 11-12, 2011

Cost: FREE

Teachers will:

- Become familiar with Minnesota's Changing Climate curricula, online components and resources to support learning about climate change (activities aligned with Minnesota Academic Standards)
- Understand current climate change science in Minnesota
- Learn about local Mississippi River resources for the Mississippi National River & Recreation Area and climate change impacts
- Get training on service learning and implementing climate action projects with students; have access to \$500 mini-grants to support projects

Institute includes:

- Keynote speakers – Will Steger, Don Shelby, others TBA
- Sessions on Minnesota's changing climate, impacts and mitigation and grade-level activities
- Orientation to Mississippi National River and Recreation Area and National Park resources
- Sessions on on-line classroom resources, and use of digital photography
- Planning for service learning action projects
- River cruise with DNR river ecologist for Mississippi River cohort group*
- Certificate of attendance

* Note: This institute on climate change and the Mississippi River is a part of a larger concurrent institute on climate change for Minnesota teachers, grades 3-12.

Minnesota Academic Standards

Science, selected:

- Engineers create... systems that impact society. (Nature of Science & Engineering, Grade 6)
- Designed and natural systems... interact with other systems. (Nature of Science & Engineering, Grade 6)
- Science is a way of knowing about the natural world and is characterized by empirical criteria, logical argument and skeptical review. (Nature of Science & Engineering, the Practice of Science, Grades 7 and 8)
- Human activity can change living organisms and ecosystems (Life Science, Grade 7)
- Current and emerging technologies have enabled humans to develop and use models to understand and communicate how natural and designed systems interact. (Nature of Science & Engineering, Interactions Among Science, Technology... and Society, Grade 8)
- Patterns of atmospheric movement influence global climate and local weather. (Earth and Space Science, Interdependence Within the Earth System, Grade 8)

Literacy in Science (selected):

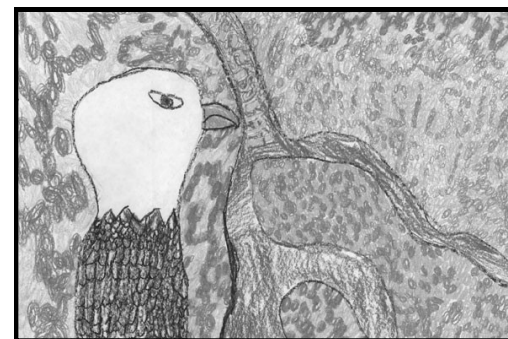
- Write arguments focused on discipline-specific content. Support claim(s) with logical reasoning and... credible evidence. (Grades 6-8)

Teacher Requirements:

- Must teach in the Twin Cities Metro area (7 county metro, plus Wright or Sherburne)
- Must teach in grades 6, 7, or 8
- Must attend the two day institute, including Mississippi River cohort sessions
- Agree to teach five provided lessons in the classroom
- Agree to conduct a class service project (\$500 mini-grants available)

To apply go to:

www.willstegerfoundation.org/summer-institute



FFI Contact:

Lyndon Torstenson at 651-290-3030, x232, or lyndon_torstenson@nps.gov

Sponsors:

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www.nps.gov/miss/ for teachers



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Mississippi National River and
Recreation Area

Your local National Park

"I believe that climate change is fundamentally the greatest threat to our national parks that we have ever experienced. The current science confirms that the planet is warming and the effects are here and now."

*Jonathon Jarvis
Director, National Park Service*

"Warming of the climate system is unequivocal, as now evident from observations of increases in global average air and ocean temperatures, widespread melting of snow and ice, and rising global average sea level."

*Intergovernmental Panel on
Climate Change (IPCC) - the
world's leading scientific body for
the assessment of climate change,
established by the United Nations
Environment Program and World
Meteorological Organization*

National Park Service
U.S. Department of the Interior

Mississippi National River and Recreation Area
111 E. Kellogg Blvd., Suite 105
Saint Paul, MN 55101-1256

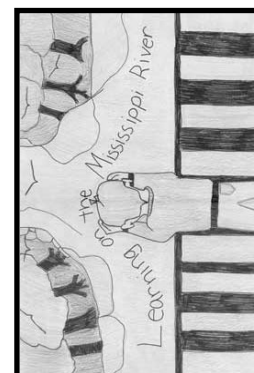


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Space is limited -
Apply now!



Presented by:
Mississippi National River and Recreation Area
(National Park Service)
Mississippi River Fund
Will Steger Foundation